

### **Amendments to the Specification:**

Please replace the paragraph at page 10, lines 6–18, with the following amended paragraph:

In summary, then, the most preferred method of treating patients for ~~obesity~~obesity, includes stimulating the left and right branches of the patient's vagus nerve simultaneously with electrical pulses in a predetermined sequence of a first period in which pulses are applied continuously, alternating with a second period in which no pulses are applied, and in which the electrical pulses are applied to the vagus nerve at a supradiaphragmatic location. The pulses preferably have an electrical current magnitude not exceeding about 6 ma, but in any event, the magnitude is preselected to be less than the level that would induce retching in the patient as determined at the time of the initial implant(s). The pulse width is adjusted to a value not exceeding about 500 ms, and the pulse repetition frequency is set at about 20-30 Hz. The second period is preferably about 1.8 times as long as the first period in the alternation of application of the stimulating pulses (i.e., the on/off duty cycle is at a ratio of 1:1.8). The pulse parameters including on time and off time are programmable by the implanting physician, using an external programmer.

Please replace the paragraph at page 11, lines 15–16, with the following amended paragraph:

The sole Figure is a simplified fragmentary illustration of the stimulus generator implanted in the abdomen of a human subject and lead/electrode system of the neurostimulator electrodes implanted on the left and right vagus nerves above the diaphragm, with leads connecting the generator to the electrodes.